

## **TRADE WASTE MANAGEMENT PROGRAM**

Trade Waste is the waste water from any industry, business, trades or manufacturing premises that is permitted by Council to discharge to the sewerage system. It does not include waste that is a prohibited substance or stormwater. It does not include domestic wastes of human origin (sewage) which are allowed, without permit, to be discharged to the sewerage system at the property being serviced. Pool backwash is also prohibited unless approved by Council.

### **1. Who has Trade Waste?**

There is a misconception that Trade Waste is toxic and is only generated by industry or factories. Trade Waste includes wastewater discharges from commercial businesses such as food outlets, laundromats, service stations and vehicle repair workshops, equipment hire centres and printers, etc. Trade Waste can include limited amounts of substances like grease, oils and solids.

This guide outlines the common industrial and commercial processes that discharge Trade Waste and provides a guide to the associated pre-treatment requirements. If a particular type of business is listed in this brochure or if the waste water being generated is not toilet waste or household waste, the business owner will need to complete and lodge an application form for a permit to discharge Trade Waste into Council's sewer. A similar process is followed for pool backwash.

### **2. Trade Waste Management Program**

The overall objective is to control the discharge of Trade Waste into the sewerage system and to provide for the collection and treatment of commercial and industrial sewerable liquid waste in an environmentally responsible manner. The Gympie Regional Council Trade Waste Environmental Management Plan sets out requirements to achieve this overall objective.

### **3. General Pre-Treatment Guidelines for Trade Waste Generators**

To meet Council's guidelines for the admission of Trade Waste to Council's sewer, most commercial and service industries will require some form of pre-treatment before the waste water enters Council's Sewerage System

#### **INDICATIVE REQUIREMENTS FOR PRE-TREATMENT ARE AS FOLLOWS**

##### **COMMERCIAL FOOD OUTLETS**

<b>Business</b>	<b>Grease Arrestor Required</b>	<b>Business</b>	<b>Grease Arrestor Required</b>
Takeaway Food Outlet (small)	550L – 1,000L	Coffee Shop (0-40persons)	550L – 1,000L
Takeaway Food Outlet (large)	1,000L – 2,000L	Coffee Shop (40-90persons)	1,000L – 2,000L

Delicatessen	550L – 2,000L	Restaurant (0-40persons)	550L – 1,000L
Retail Seafood Outlet	550L – 2,000L	Restaurant (40-90persons)	1,000L – 2,000L
Ice Cream parlour (no cooking)	550L	Retail Butcher	550L – 2,000L
Hot Bread Shop	550L – 1,000L	Nursing Home	550L – 2,000L

### COMMERCIAL FOOD OUTLETS CONTINUED

Business	Grease Arrestor Required
Hostel	550L – 2,000L
Hotel	550L – 2,000L
Hospital	1,000L – 2,000L
Boarding House (Kitchen)	550L – 2,000L
Shopping Centre	1,000L – 2,000L

**Note:**

In some larger facilities and multiple use facilities, multiple arrestors can be used. This allows for the arrestors to be discreetly installed to separately treat a defined waste stream

### AUTOMOTIVE/ENGINEERING BUSINESSES

Business	Oil/Grit Arrestor Required (minimum size)	Business	Oil/Grit Arrestor Required (minimum size)
Wrecker	1,000L (a)	Mechanical Workshop	1,000L (a)
Detailing Business	1,000L (a)	Panel Beating/Spray Painting Shed	1,000L (a)
Engine Reconditioning Workshop	1,000L (a)	Service Station Workshop	1,000L (a)
Gear Box Reconditioning Workshop	1,000L (a)	Car Wash Area (roofed & bunded)	1,000L (a)
Equipment Hire Company	1,000L (a)	Car Wash Area (open)	1,000L (a) & (b)
Lawn Mower Repair Workshop	1,000L (a)		

**Reference Note:**

- (a). Each application will be assessed on the nature of the oily waste to be treated, the proposed treatment method and site location. Subject to recommendations by the manufactures of separators. "Quick Break Detergents" should be used with oil/water separators.
- (b). Other requirements include: Stormwater diversion system, first flush collection pit, "first 10mm of rain", oil separator, rainwater control, pump discharge.

**SHOPPING CENTRES**

<b>Business</b>	<b>Oil/Grit Arrestor Required</b>
Garbage Storage Facilities	Fixed screen over floor waste 550L-1,000L grit arrestor

**OPTICIANS**

<b>Business</b>	<b>Oil/Grit Arrestor Required</b>
-	Bottle trap under sink

**DENTAL/MEDICAL/VETERINARY SURGERIES**

<b>Business</b>	<b>Oil/Grit Arrestor Required</b>
No plaster casts	Bottle trap
Plaster casts	Plaster arrestor
X-rays	To sewer via a balancing tank following silver recovery unit

**SCHOOLS**

<b>Business</b>	<b>Oil/Grit Arrestor Required</b>
Home Science Blocks	Grease arrestor 550L
Tuck Shops (hot food)	Grease arrestor 550L – 1000L
Laboratories	Sediment to neutralizing trap and/or dilution tanks

**LAUNDROMAT**

<b>Business</b>	<b>Oil/Grit Arrestor Required</b>
-	1mm mesh lint screens Cooling pit if temperature greater than 38°C.

**4. Major Industries**

Major manufacturing and processing industries wanting to discharge high strength wastes or large volumes of waste water to Council's sewer may require specialised pre-treatment to meet admission standards. These industries will be subject to individual agreements.

Council approval would be required for any discharge.

**5. How a Grease Arrestor Works**

Grease Arrestors are designed to keep as much grease, fats and oil as possible out of the sewerage system to minimize blockages and odours. A Grease Arrestor cools waste, allowing fats and cooking oils to separate and float to the surface of the "trap". Some solids may settle into the bottom of the Arrestor as a sludge.

## **6. Monitoring for a Better Environment**

Illegal dumping of Trade Waste has a negative impact on our environment. Accordingly, Council has an extensive Trade Waste Monitoring Program, which may incorporate site inspections and monitoring of the effluent A docket system for tracking the waste removed during servicing is in place. The docket system allows Gympie Regional Council to monitor the collection of waste, the disposal location and frequency of servicing as well as detecting illegal dumping. Some waste water is permitted to be accepted at the Gympie Sewage Treatment Plant. This does not include grease traps or other contaminants which have the potential to affect the operation of the treatment plant. No waste water is accepted at the Gympie Sewage Treatment Plant without a docket detailing the quality, source and quantity of the waste water.

## **7. Recycling**

Grease Arrestor servicing is an important part of our Trade Waste Management Program and helps to ensure that Gympie Regional Council Sewage Treatment Plants produce treated wastewater and biosolids that are suitable for recycling. The re-use of these valuable resources enables Council and the community to work together to enhance our environment.

## **8. Grease Arrestor Maintenance**

Your Grease Arrestor needs to be regularly cleaned and Council has approved liquid waste contractors for this purpose. Regular cleaning will help to reduce odours and prolong the life of your Arrestor. The intervals between cleaning depend on the type and volume of waste discharged. However, as a guide, a correctly sized Arrestor will require cleaning approximately every twelve weeks. Undersized arrestors will require servicing at much more regular intervals.

Business owners need to ensure that vents, lids, frames and concrete surrounds are in good order. Poorly fitting or damaged vents, lids and frames may allow the escape of odours and provide a breeding ground for vermin. Public safety and the infiltration of rainwater are also major concerns.

## **9. Grease Arrestor Maintenance**

- Do not use solvents, enzymes, mutant bacteria, odour control agents, or pesticides in Grease Arrestors unless specifically approved by Council.
- Do not attempt to clean the Arrestor yourself. Such waste must be collected and disposed of in an approved manner.
- Do not dispose of unwanted oil and grease through your Arrestor. This will shorten the time required between servicing and could adversely affect the quality of effluent discharged to the sewer. Most used cooking oils are suitable for recycling.
- Do not discharge garbage grinder or hairdresser's waste through Grease Arrestors.

## 10. Disposal of Liquid Wastewater

Council accepts liquid wastewater from holding tanks, septic pump outs and other low strength wastewater at the Gympie Sewage Treatment Plant subject to approval and based on standard fees and charges.

This is not Trade Waste and is the responsibility of the Water and Sewerage Branch, for more information contact Council's Water and Sewerage Branch – Supervisor Treatment Plants on telephone (07) 5481 0715.

## 11. Contacts

Information regarding the current authorized trade waste transporters within Gympie Regional Council and/or trade waste acceptance applications can be obtained by contacting:

Gympie Regional Council  
Building & Plumbing Services Branch  
Phone: (07) 5481 0456  
Council: 1300 307 800  
e-mail: [council@gympie.qld.gov.au](mailto:council@gympie.qld.gov.au)